

## Abstract

A liquid composite synthetic resin composition that can strike a balance between miscibility with aggregate and compaction performance of the mixture and that can form a shielding film capable of shielding X rays or radiation from cobalt 60 radiation source or a strong water-permeable/retentive film in spaces formed between aggregate particles. Further, there is provided a composite synthetic resin composition produced by adding, to a liquid synthetic resin, inorganic or organic fiber filaments having a length of 1 micron to 500 microns sequentially in the order of increasing length in an amount of 1 wt.% to 15 wt.% with respect to the resin, and mixing the fiber filaments with the resin, so that the resin is adsorbed onto the fiber filaments; and by adding, to the liquid synthetic resin, inorganic or organic fiber filaments having a diameter of 3 microns to 900 microns and a length of 1 mm to 50 mm sequentially in the order of increasing length in an amount of 1 wt.% to 10 wt.% with respect to the resin, and mixing the fiber filaments with the resin, so that the resin is adsorbed onto the fiber filaments.